

FORM PTO-1449		U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE		ATTY. DOCKET NO. 2016-4000US5	SERIAL NO. 09/073,596
INFORMATION DISCLOSURE CITATION (Use several sheets if necessary)		APPLICANT Ralph M. Steinman, et al.			
		FILING DATE May 6, 1998	GROUP ART UNIT 1644		

U.S. PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
RV	4,861,589	08/29/89	JU	—	—	
	5,130,144	07/14/92	CIVIN	—	—	
	5,364,783	11/15/94	RULEY	—	—	
	5,851,756	12/22/98	STEINMAN	—	—	
	5,994,126	11/30/99	STEINMAN	—	—	

FOREIGN PATENT DOCUMENTS

RV	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
						YES	NO
	028479	10/26/95	WO	—	—		
	020185	10/14/93	WO	—	—		
	563485	10/6/93	EP	—	—		
	013632	9/19/91	WO	—	—		
	0546787	6/16/93	EP	—	—		
	002156	2/3/94	WO	—	—		
	015340	6/8/95	WO	—	—		
	034638	12/21/95	WO	—	—		

OTHER DOCUMENTS (INCLUDING AUTHOR, TITLE, DATE, PERTINENT PAPERS, ETC.)

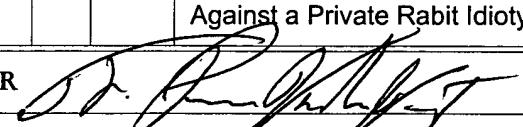
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<i>PR</i>			Abbas, et al, "Uptake & Processing of Extracellular Protein Antigens by Antigen-Presenting Cells," <u>W.B. Saunders Co.</u> , 1991 at 124-126.	
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<p><i>R</i></p> <p>Britz, J.S., et al., "Specialized Antigen-Presenting Cells, Splenic Dendritic Cells and Peritoneal-Exudate Cells Induced by Mycobacteria Activate Effector T Cells that are Resistant to Suppression," <u>The Journal of Experimental Medicine</u>, May 1982, vol. 155, pp. 1344-1356.</p>					
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<p><i>R</i></p> <p>Dranoff et al, "Vaccination with Irradiated Tumor Cells Engineered to Secrete Murine Granulocyte-Macrophage Colony-Stimulating Factor Stimulators Potent, Specific, and Long-Lasting Anti-Tumor Immunity," <u>PNAS</u>, 90: 3539-3543, April 1993.</p> <p>Eaves, "Peripheral Blood Stem Cells Reach New Heights," <u>Blood</u>, (1993) 82. No. 7, pp. 1957-1959.</p> <p>Edgington, "How Sweet it is: Selection-Mediating Drugs," <u>Bio/Technology</u>, 10: 383-389, 1992.</p> <p>Egner, et al., "The Phenotype of Freshly Isolated and Cultured Human Bone Marrow Allosstimulatory Cells: Possible Heterogeneity In Bone Marrow Dendritic Cell Populations," <u>Immunology</u>, 85:611-620 1995.</p> <p>Enami, et al., "Introduction of Site-Specific Mutations into the Genome of Influenza Virus," <u>PNAS</u>, 87/10:3802-3805 May 1990.</p> <p>Ema, et al., "Colony Formation of Clone-Sorted Human Hematopoietic Progenitors," <u>Blood</u>, 75/10:1941-1946, May 15, 1990.</p> <p>Enami, et al., "High-Efficiency Formation of Influenza Virus Transfectants," <u>J. Virol.</u>, 65/5:2711-2713 May 1991.</p> <p>Faustman, Denise L., et al., "Prevention of Rejection of Murine Islet Allografts by Pretreatment with Anti-Dendritic Cell Antibody," <u>PNAS</u>, Jun. 1984, vol. 81, pp. 3864-3868.</p> <p>Fisher, Richard I., et al., "Neoplastic Cells Obtained From Hodgkin's Disease Function As Accessory Cells For Mitogen-Induced Human T Cell Proliferative Reponses," <u>The Journal of Immunology</u>, May, 1984, vol. 132, No. 5, pp. 2672-2677.</p> <p>Flamand et al, "Vaccination with Tumor Antigen-Pulsed Dendritic Cells Induces in Vivo Resistance to a B Cell Lymphoma," <u>Adv. Exp. Med. Biol.</u>, 329: 611-615, 1993.</p> <p>Flamand et al, "Murine Dendritic Cells Pulsed in Vitro with Tumor Antigen Induce Tumor Resistance in Vivo," <u>Eur. J. Immunol.</u>, 24: 605-610, 1994.</p> <p>Fossum, "Lymph-Borne Dendritic Leucocytes do not Recirculate, but Enter the Lymph Node Paracortex to Become Interdigitating Cells," <u>Scand J. Immunol.</u>, 27:97-104 1988.</p> <p>Francotte, M. and J. Urbain; "Enhancement of Antibody Response by Mouse Dendritic Cells Pulsed With Tobacco Mosaic Virus Or With Rabbit Antiidiotypic Antibodies Raised Against a Private Rabbit Idiotype," <u>PNAS</u>; Dec. 1985, vol. 82, pp. 8149-8152.</p>					
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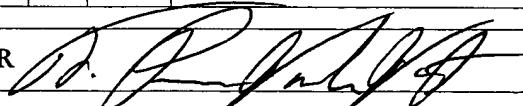
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<p>Inaba, et al., "Properties Of Memory T Lymphocytes Isolated From The Mixed Leukocyte Reaction," <u>PNAS</u>, Nov. 1985, vol. 82, pp. 7686-7690.</p> <p>Inaba, et al., "Protein Specific Helper T-Lymphocyte Formation Initiated By Dendritic Cells," <u>Science</u>, Aug. 1985, vol. 299, pp. 475-479.</p> <p>Inaba, et al., "Clustering of Dendritic Cells, Helper T Lymphocytes, and Histocompatible B Cells During Primary Antibody Responses In Vitro," <u>The Journal of Experimental Medicine</u>, Sep. 1984, vol. 160, pp. 858-876.</p> <p>Inaba, et al., "Resting and Sensitized T Lymphocytes Exhibit Distinct Stimulatory (Antigen-Presenting Cell) Requirements For Growth And Lymphokine Release," <u>The Journal of Experimental Medicine</u>, Dec. 1984, vol. 160, pp. 1717-1735.</p> <p>Inaba, et al.; "Generation of Large Numbers of Dendritic Cells From Mouse Bone Marrow Cultures Supplemented With Granulocyte/Macrophage Colony-Stimulating Factor," <u>J. Exp. Med.</u>, Dec. 1992, vol. 176, pp. 1693-1702.</p> <p>Inaba, et al., "The Function of Ia+ Dendritic Cells and IA- Dendritic Cell Precursors in Thymocyte Mitogenesis To Lectin and Lectin Plus Interleukin 1," <u>J. Exp. Med.</u>, Jan., 1988, Vol. 167, pp. 149-162.</p> <p>Iwai, Hiroshi, et al., "Acceptance of Murine Thyroid Allografts by Pretreatment of Anti-Ia Antibody or Anti-Dendritic Cell Antibody in Vitro," <u>Transplantation</u>, Jan. 1989, vol. 47, pp. 45-49.</p> <p>Jensen, P.E., "Protein Synthesis in Antigen Processing," <u>J. Immunol.</u>, 141: 2545-2550, 1988.</p> <p>Jansen et al, "Inhibition of Human Formation by Interleukin-4," <u>J. Exp. Med.</u>, 170:577-582, 1989.</p> <p>Kampgen, et al., "Class II Major Histocompatibility Complex Molecules of Murine Dendritic Cells: Synthesis, Sialylation of Invariant Chain, and Antigen Processing Capacity Are Downregulated Upon Culture," <u>Proc. Natl. Acad. Sci., USA</u> 88:3014-3018, 1991.</p> <p>Kashihara, et al., "A Monoclonal Antibody Specifically Reactive to Human Langerhans Cells," <u>J. Invest. Dermatol.</u>, 87/5:602-607, Nov. 1986.</p> <p>Katz, et al., "Epidermal Langerhans Cells are Derived from Cells Originating in Bone Marrow," <u>Nature</u>, 282:324-326, 1979.</p>				

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EXAMINER	<i>R. P. M. Steinman</i>	DATE CONSIDERED	<i>1/2/01</i>
EXAMINER: INITIAL IF REFERENCE CONSIDERED, WHETHER OR NOT CITATION IS IN CONFORMANCE WITH MPEP 609; DRAW LINE THROUGH CITATION IF NOT IN CONFORMANCE AND NOT CONSIDERED. INCLUDE COPY OF THIS FORM WITH NEXT COMMUNICATION TO APPLICANT.			

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INFORMATION DISCLOSURE CITATION (Use several sheets if necessary)				APPLICANT Ralph M. Steinman, et al.	
				FILING DATE May 6, 1998	GROUP ART UNIT 1644
<i>RJ</i>			Puré, et al., "Antigen Processing by Epidermal Langerhans Cells Correlates with the Level of Biosynthesis of Major Histocompatibility Complex Class II Molecules and Expression of Invariant Chain," <u>J. Exp. Med.</u> , 172:1459-1469 1990.		
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<p><i>R</i></p> <p>Scheicher, et al., "Dendritic Cells From Mouse Bone Marrow: In Vitro Differentiation Using Low Doses of Recombinant Granulocyte-Macrophage Colony-Stimulating Factor," <u>Journal of Immunological Methods</u>, 1992, vol. 154, pp. 253-264.</p>					
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EXAMINER	<i>D. R. Gauthier</i>	DATE CONSIDERED	<i>1/2/01</i>
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<p>Thomas, et al. "Isolation and Characterization of Human Peripheral Blood Dendritic Cells," <u>J. Immunol.</u>, 150:3:821-834, Feb. 1993.</p> <p>Thomas, et al., "Rheumatoid Synovium is Enriched in Mature Antigen-Presenting Dendritic Cells," <u>J. Immunol.</u>, 152:2613-2623 1993.</p> <p>Troppmair, et al., "Interferons (IFNS) and Tumor Necrosis Factors (TNFS) in T Cell-Mediated Immune Responses Against Alloantigens. I. Influence On the Activation of Resting and Antigen-Primed T Cells," <u>Immunobiology</u>, Vol. 176, pp. 236-254, 1988.</p> <p>Vakkila, et al., "Human Peripheral Blood-Derived Dendritic Cells Do Not Produce Interleukin 1.alpha., Interleukin 1β or Interleukin 6," <u>Scandinavian Journal of Immunology</u>, 1990, Vol. 31, pp. 345-352.</p> <p>Van Voorhis, et al., "Human Dendritic Cells," <u>The Journal of Experimental Medicine</u>, Apr. 1982, Vol. 155, pp. 1172-1187.</p> <p>Waksman, et al., "Multiple Sclerosis as a Disease of Immune Regulation," <u>Proceedings of the Society for Experimental Biology and Medicine</u>, 1984, vol. 175, pp. 282-294.</p> <p>Wang, et al., "Epidermal Langerhans Cells from Normal Human Skin Bind Monomeric IgE via FcΣ RI," <u>J. Exp. Med.</u>, 175:1353, May 1992.</p> <p>Williams, et al., "Isolation and Function of Human Dendritic Cells," <u>International Review of Cytology</u>, 153:41-103 1994.</p> <p>Witmer-Pack, et al., "Granulocyte/Macrophage Colony-Stimulating Factor Is Essential For The Viability and Function of Cultured Murine Epidermal Langerhans Cells," <u>The Journal of Experimental Medicine</u>, Nov. 1987, Vol. 166, No. 1, pp. 1484-1498.</p> <p>Wraith, et al., "Antigen Recognition in Autoimmune Encephalomyelitis and the Potential for Peptide-Mediated Immunotherapy," <u>Cell</u>, 1989, Vol. 59, pp. 247-255.</p> <p>Wraith, et al., "Influenza Virus-Specific Cytotoxic T-Cell Recognition: Stimulation Nucleoprotein-Specific Clones with Intact Antigen," <u>Immunology</u>, 59:173-180 1986.</p> <p>Wysocka, et al., "Identification of Overlapping Class I and Class II H-2d Restricted T Cell Determinants of Influenza Virus N1 Neuraminidase That Require Infectious Virus for Presentation," <u>Virology</u>, 201:86-94, May 1994.</p> <p>Young, et al., "Dendritic Cells as Adjuvants for Class I Major Histocompatibility Complex-restricted Antitumor Immunity," <u>J. Exp. Med.</u>, 183:7-11 (1996).</p>					
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<i>R</i>			Young, et al., "Accessory Cell Requirements for the Mixed-Leukocyte Reaction and Polyclonal Mitogens, As Studied with a New Technique for Enriching Blood Dendritic Cells," <u>Cell Immunol.</u> , 111:167-182 1988.		
<i>J</i>			Young, et al., "Dendritic Cells Stimulate Primary Human Cytolytic Lymphocyte Responses in the Absence of CD4 Helper T Cells," <u>J. Exp. Med.</u> , 171:1315-1332, Apr. 1990.		
<i>J</i>			Zvaifler, et al., "Identification of Immunostimulatory Dendritic Cells in the Synovial Effusions of Patients with Rheumatoid Arthritis," <u>J. Clin. Invest.</u> , 76:789-800, Aug. 1985.		
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EXAMINER	<i>D. R. Meltzer</i>	DATE CONSIDERED	<i>1/2/01</i>
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